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Technical Note TN-258

Version 1.00b

DSCIO Interface for Visual Basic .NET and C#

The DSCIO interface for VB.NET and C# are in the files DSCIO.VB and DSCIO.CS, respectively. The interface files are in the Beta directory on the DAPtools Software CD version 5.20. The latest version of Visual Studio tested with the interface files is Microsoft Visual Studio 2010.

Visual Basic .NET

If you are converting an old application from Visual Basic to VB.NET, note the differences described below.

• A variable of type Short in VB.NET is the same as one of type Integer in previous versions of VB. In VB.NET a Short is 2-byte and an Integer or a Long is 4-byte.

C#

The DSCIO interface for C# has the following differences from the support for C++ and VB:

- Since C# does not support typedef, int must be used for handles instead of HDAP and HDSCGROUP.
- The TDscIoInt64 for 64-bit integer has been removed. C# uses native 64-bit longs.
- Unsigned longs become uint.
- DscStructPrepare does not initialize the iInfoSize field. The iInfoSize field must be filled directly with Marshal.SizeOf(<item>).

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